

## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

|  |   |   |
|--|---|---|
| Applicant's or agent's file reference<br>633     | <b>FOR FURTHER ACTION</b> see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below. |   |
| International application No.<br>PCT/DK 03/00718 | International filing date (day/month/year)<br>23/10/2003  | (Earliest) Priority Date (day/month/year)<br>23/10/2002 |
| Applicant<br>LEO PHARMA A/S                      |   |   |

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 5 sheets.



It is also accompanied by a copy of each prior art document cited in this report.

## 1. Basis of the report

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.



the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing:



contained in the international application in written form.



filed together with the international application in computer readable form.



furnished subsequently to this Authority in written form.



furnished subsequently to this Authority in computer readable form.



the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.



the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☒ Certain claims were found unsearchable (See Box I).

3. ☐ Unity of invention is lacking (see Box II).

4. With regard to the title,



the text is approved as submitted by the applicant.



the text has been established by this Authority to read as follows:

5. With regard to the abstract,



the text is approved as submitted by the applicant.



the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the drawings to be published with the abstract is Figure No.



as suggested by the applicant.



because the applicant failed to suggest a figure.



because this figure better characterizes the invention.



None of the figures.

**Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)**

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 18-21  
because they relate to subject matter not required to be searched by this Authority, namely:  
Claims 18-21 relate to methods of treatment of the human or animal body by therapy (PCT Rule 39.1(iv)). Nevertheless, a search has been executed for these claims. The search has been based on the alleged effects of the compounds or compositions.
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

**Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)**

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

| <b>A. CLASSIFICATION OF SUBJECT MATTER</b><br>IPC 7 C07C01/00 A61K31/59 A61P5/20  |   |  |
|---|---|--|
| According to International Patent Classification (IPC) or to both national classification and IPC   |   |  |
| <b>B. FIELDS SEARCHED</b><br>Minimum documentation searched (classification system followed by classification symbols)<br>IPC 7 C07C A61K   |   |  |
| Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched   |   |  |
| Electronic data base consulted during the international search (name of data base and, where practical, search terms used)<br>EPO-Internal, CHEM ABS Data, WPI Data   |   |  |
| <b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>   |   |  |
| Category *  | Citation of document, with indication, where appropriate, of the relevant passages  | Relevant to claim No.                              |
| X   | WO 95 02577 A (LEO PHARM PROD LTD ;GRUE SOERENSEN GUNNAR (DK))<br>26 January 1995 (1995-01-26)<br>the whole document  | 1-23   |
| X   | WO 91 00855 A (LEO PHARM PROD LTD)<br>24 January 1991 (1991-01-24)<br>the whole document  | 1-23   |
| X   | B. L. ONISKO ET AL : "Synthesis of potential vitamin D antagonists"<br>TETRAHEDRON LETTERS,<br>vol. 18, no. 13, 1977, pages 1107-1108,<br>XP002271061<br>the whole document | 1-23   |
| -/-   |   |  |
| <input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.   |   |  |
| * Special categories of cited documents :<br>"A" document defining the general state of the art which is not considered to be of particular relevance<br>"E" earlier document but published on or after the international filing date<br>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)<br>"O" document referring to an oral disclosure, use, exhibition or other means<br>"P" document published prior to the international filing date but later than the priority date claimed<br>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention<br>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone<br>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.<br>"&" document member of the same patent family |   |  |
| Date of the actual completion of the international search   |   | Date of mailing of the international search report |
| 20 February 2004  |   | 25. 03. 2004                                       |
| Name and mailing address of the ISA<br>European Patent Office, P.B. 5818 Patentlaan 2<br>NL - 2280 HV Rijswijk<br>Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,<br>Fax: (+31-70) 340-3016  |   | Authorized officer<br><br>PER RENSTRÖM/ EÖ         |

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
|------------|--|-----------------------|
| A          | <p>MALUCHE HH ET AL: "Update on vitamin D and its newer analogues: actions and rationale for treatment in chronic renal failure"<br/>KIDNEY INT.,<br/>vol. 62, no. 2, August 2002 (2002-08),<br/>pages 367-374, XP002271062<br/>the whole document -----</p> | 1-23                  |

| Patent document<br>cited in search report |   | Publication<br>date | Patent family<br>member(s) | Publication<br>date |
|---|---|---------------------|----------------------------|---------------------|
| WO 9502577                                | A | 26-01-1995          | AT 165346 T                | 15-05-1998          |
|   |   |                     | AU 690564 B2               | 30-04-1998          |
|   |   |                     | AU 7182994 A               | 13-02-1995          |
|   |   |                     | CA 2162040 A1              | 26-01-1995          |
|   |   |                     | CN 1125941 A ,B            | 03-07-1996          |
|   |   |                     | DE 69409811 D1             | 28-05-1998          |
|   |   |                     | DE 69409811 T2             | 07-01-1999          |
|   |   |                     | WO 9502577 A1              | 26-01-1995          |
|   |   |                     | EP 0708755 A1              | 01-05-1996          |
|   |   |                     | ES 2117281 T3              | 01-08-1998          |
|   |   |                     | FI 956108 A                | 19-12-1995          |
|   |   |                     | JP 8512327 T               | 24-12-1996          |
|   |   |                     | NZ 268567 A                | 24-11-1997          |
|   |   |                     | RU 2130926 C1              | 27-05-1999          |
|   |   |                     | US 5716945 A               | 10-02-1998          |
| -----                                     |   |                     |                            |                     |
| WO 9100855                                | A | 24-01-1991          | AT 112556 T                | 15-10-1994          |
|   |   |                     | AU 630227 B2               | 22-10-1992          |
|   |   |                     | AU 6156390 A               | 06-02-1991          |
|   |   |                     | CA 2057048 A1              | 11-01-1991          |
|   |   |                     | DE 69013155 D1             | 10-11-1994          |
|   |   |                     | DE 69013155 T2             | 09-03-1995          |
|   |   |                     | WO 9100855 A1              | 24-01-1991          |
|   |   |                     | DK 482100 T3               | 07-11-1994          |
|   |   |                     | EP 0482100 A1              | 29-04-1992          |
|   |   |                     | ES 2064749 T3              | 01-02-1995          |
|   |   |                     | FI 93724 B                 | 15-02-1995          |
|   |   |                     | IE 902317 A1               | 16-01-1991          |
|   |   |                     | JP 2807087 B2              | 30-09-1998          |
|   |   |                     | JP 4506965 T               | 03-12-1992          |
|   |   |                     | KR 195547 B1               | 15-06-1999          |
|   |   |                     | NZ 234326 A                | 26-03-1993          |
|   |   |                     | PH 27301 A                 | 04-05-1993          |
|   |   |                     | US 5190935 A               | 02-03-1993          |
|   |   |                     | ZA 9005094 A               | 24-04-1991          |
| -----                                     |   |                     |                            |                     |

From the  
INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

To:

THALS -MADSEN, Birgit  
Leo Pharma AS  
Industriparken 55  
DK-2750 Ballerup  
DANEMARK

→ HJD

PCT

NOTIFICATION OF TRANSMITTAL OF  
THE INTERNATIONAL PRELIMINARY  
EXAMINATION REPORT  
(PCT Rule 71.1)

Date of mailing  
(day/month/year)

04.02.2005

Applicant's or agent's file reference  
633

**IMPORTANT NOTIFICATION**

International application No.  
PCT/DK 03/00718

International filing date (day/month/year)  
23.10.2003

Priority date (day/month/year)  
23.10.2002

Applicant  
LEO PHARMA AS et al.

1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary examination report and its annexes, if any, established on the international application.
2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.
4. **REMINDER**

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices) (Article 39(1)) (see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

The applicant's attention is drawn to Article 33(5), which provides that the criteria of novelty, inventive step and industrial applicability described in Article 33(2) to (4) merely serve the purposes of international preliminary examination and that "any Contracting State may apply additional or different criteria for the purposes of deciding whether, in that State, the claimed inventions is patentable or not" (see also Article 27(5)). Such additional criteria may relate, for example, to exemptions from patentability, requirements for enabling disclosure, clarity and support for the claims.

Name and mailing address of the international  
preliminary examining authority:



European Patent Office  
D-80298 Munich  
Tel. +49 89 2399 - 0 Tx: 523656 epmu d  
Fax: +49 89 2399 - 4465

Authorized Officer

Roche, S

Tel. +49 89 2399-8031



## PCT


INTERNATIONAL PRELIMINARY EXAMINATION REPORT  
(PCT Article 36 and Rule 70)

|   |   |   |
|---|---|---|
| Applicant's or agent's file reference<br>633  | <b>FOR FURTHER ACTION</b> See Notification of Transmittal of International Preliminary Examination Report (Form PCT/APEA/416) |   |
| International application No.<br>PCT/DK 03/00718  | International filing date ( <i>day/month/year</i> )<br>23.10.2003   | Priority date ( <i>day/month/year</i> )<br>23.10.2002 |
| International Patent Classification (IPC) or both national classification and IPC<br>C07C401.00 |   |   |
| Applicant<br>LEO PHARMA AS et al.   |   |   |

|   |  |
|---|--|
| <p>1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of 5 sheets, including this cover sheet.</p> <p><input type="checkbox"/> This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).</p> <p>These annexes consist of a total of    sheets.</p>  |  |
| <p>3. This report contains indications relating to the following items:</p> <p>I    <input checked="" type="checkbox"/> Basis of the opinion</p> <p>II    <input type="checkbox"/> Priority</p> <p>III <input checked="" type="checkbox"/> Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</p> <p>IV    <input type="checkbox"/> Lack of unity of invention</p> <p>V    <input checked="" type="checkbox"/> Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</p> <p>VI    <input type="checkbox"/> Certain documents cited</p> <p>VII <input type="checkbox"/> Certain defects in the international application</p> <p>VIII <input type="checkbox"/> Certain observations on the international application</p> |  |

|   |  |
|---|--|
| Date of submission of the demand<br><br>06.05.2004  | Date of completion of this report<br><br>04.02.2005                          |
| Name and mailing address of the international preliminary examining authority:<br><br> European Patent Office<br>D-80298 Munich<br>Tel. +49 89 2399 - 0 Tx: 523656 epmu d<br>Fax: +49 89 2399 - 4465 | Authorized Officer<br><br>Breimaier, W<br><br>Telephone No. +49 89 2399-8327 |



**INTERNATIONAL PRELIMINARY  
EXAMINATION REPORT**

International application No. PCT/DK 03/00718

**I. Basis of the report**

1. With regard to the **elements** of the international application (*Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17):*

**Description, Pages**

1-57 as originally filed

**Claims, Numbers**

1-23 as originally filed

2. With regard to the **language**, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language: , which is:

- ☐ the language of a translation furnished for the purposes of the international search (under Rule 23.1(b)).  
☐ the language of publication of the international application (under Rule 48.3(b)).  
☐ the language of a translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.  
☐ filed together with the international application in computer readable form.  
☐ furnished subsequently to this Authority in written form.  
☐ furnished subsequently to this Authority in computer readable form.  
☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.  
☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. The amendments have resulted in the cancellation of:

- ☐ the description, pages:  
☐ the claims, Nos.:  
☐ the drawings, sheets:

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)).

*(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)*

6. Additional observations, if necessary:



**INTERNATIONAL PRELIMINARY  
EXAMINATION REPORT**

International application No. PCT/DK 03/00718

**III. Non-establishment of opinion with regard to novelty, inventive step and industrial applicability**

1. The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non-obvious), or to be industrially applicable have not been examined in respect of:

☐ the entire international application,

☒ claims Nos. 18-21

because:

☒ the said international application, or the said claims Nos. 18-21 relate to the following subject matter which does not require an international preliminary examination (specify):

**see separate sheet**

☐ the description, claims or drawings (*indicate particular elements below*) or said claims Nos. are so unclear that no meaningful opinion could be formed (*specify*):

☐ the claims, or said claims Nos. are so inadequately supported by the description that no meaningful opinion could be formed.

☐ no international search report has been established for the said claims Nos.

2. A meaningful international preliminary examination cannot be carried out due to the failure of the nucleotide and/or amino acid sequence listing to comply with the standard provided for in Annex C of the Administrative Instructions:

☐ the written form has not been furnished or does not comply with the Standard.

☐ the computer readable form has not been furnished or does not comply with the Standard.

**V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

1. Statement

|                               |             |              |
|-------------------------------|-------------|--------------|
| Novelty (N)                   | Yes: Claims | 1-23         |
|                               | No: Claims  |              |
| Inventive step (IS)           | Yes: Claims |              |
|                               | No: Claims  | 1-23         |
| Industrial applicability (IA) | Yes: Claims | 1-17, 22, 23 |
|                               | No: Claims  | 18-21 ?      |

2. Citations and explanations

**see separate sheet**

**Re Item III**

**Non-establishment of opinion with regard to novelty, inventive step and industrial applicability**

Claims 18-21 relate to subject-matter considered by this Authority to be covered by the provisions of Rule 67.1(iv) PCT. Consequently, no opinion will be formulated with respect to the industrial applicability of the subject-matter of these claims (Art. 34(4)(a)(I) PCT).

**Re Item V**

**Reasoned statement with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

The present application according to claims 1 to 23 concerns vitamin D derivatives of general formula (I) which are said to have reduced calcemic effect while retaining a suppressive effect on the secretion of the parathyroid hormone (PTH). In that context it is noted that the compounds of general formula (I) according to claim 1 are understood as compounds with X is a bond, a double or a triple bond (see further remarks a.).

D1 : Tetrahedron Lett., 1107-1108, 13, 1977

D2 : WO 95/02577

D3 : WO 91/00855

**novelty**

The subject-matter according to claims 1 to 23 is novel (Art. 33(2) PCT).

None of the documents of the available prior art discloses vitamin D derivatives which are embraced by the general formula (I) as claimed. Thus, novelty of the subject-matter claimed is given.

**inventive step**

The subject-matter according to claims 1 to 23 seems not to be based on an inventive step (Art. 33(3) PCT).

Structurally close vitamin D derivatives with a conjugated diene/triene moiety in the side chain are already known from eg D2 and D3 (see the present page 2). These vitamin D derivatives are said to be suitable for treating diseases characterised by abnormal cell

differentiation and/or cell proliferation, cancer, acne etc and because of their low calcemic effects particularly useful for treating hyperparathyroidism, in particular secondary hyperparathyroidism associated with renal failure, osteoporosis and for inducing osteogenesis (see D2, page 6, line 30 to page 7, line 19 and D3, page 6, in particular lines 9-11). The present structurally closely related vitamin D derivatives of general formula (I) bearing a conjugated diene/triene side chain are also useful for treating the above diseases (cf claims 18 to 20, tables A and B).

The data listed in tables A and B (see present page 11 and the letter of the applicant dated 29.9.2004) have been obtained with reference to calcitriol which does not represent the closest structural approximation which would be a comparison between the compounds known from D2 and D3 and the present ones. Thus, in the absence of the required data which show superior efficacy of the compounds claimed, ie reduced calcemic effects, it is not possible to attribute any unexpected effect to the compounds claimed and an inventive step cannot be assessed.

#### **industrial applicability**

For the assessment of the present claims 18-21 on the question whether they are industrially applicable, no unified criteria exist in the PCT Contracting States. The patentability can also be dependent upon the formulation of the claims. The EPO, for example, does not recognize as industrially applicable the subject-matter of claims to the use of a compound in medical treatment, but may allow, however, claims to a known compound for first use in medical treatment and the use of such a compound for the manufacture of a medicament for a new medical treatment.

#### **further remarks**

- a. In general formula (I) according to claim 1, the definition of X representing (E,Z)-ethylene is apparently spurious and is considered to be an "ethenylene" in order to define X as the -CH=CH- bridge.
- b. The term "prodrug" in claim 1 is a functional term, ie an expression attempting to define the subject-matter in terms of a desired property instead of indicating precisely the technical features which is in contrast to Art. 5 and 6 PCT.

From the INTERNATIONAL BUREAU

## PCT

NOTICE INFORMING THE APPLICANT OF THE  
COMMUNICATION OF THE INTERNATIONAL  
APPLICATION TO THE DESIGNATED OFFICES

(PCT Rule 47.1(c), first sentence)

To:

THALSD-MADSEN, Birgit  
Leo Pharma A/S  
Industriparken 55  
DK-2750 Ballerup  
DANEMARK

Date of mailing (day/month/year)  
06 May 2004 (06.05.2004)

Applicant's or agent's file reference  
633

## IMPORTANT NOTICE

International application No.  
PCT/DK2003/000718

International filing date (day/month/year)  
23 October 2003 (23.10.2003)

Priority date (day/month/year)  
23 October 2002 (23.10.2002)

Applicant

LEO PHARMA A/S et al

1. Notice is hereby given that the International Bureau has **communicated**, as provided in Article 20, the international application to the following designated Offices on the date indicated above as the date of mailing of this notice:

AU, AZ, BY, CH, CN, CO, DZ, EP, HU, JP, KG, KP, KR, MD, MK, MZ, RU, TM, US

In accordance with Rule 47.1(c), third sentence, those Offices will accept the present notice as conclusive evidence that the communication of the international application has duly taken place on the date of mailing indicated above and no copy of the international application is required to be furnished by the applicant to the designated Office(s).

2. The following designated Offices have waived the requirement for such a communication at this time:

AE, AG, AL, AM, AP, AT, BA, BB, BG, BR, BZ, CA, CR, CU, CZ, DE, DK, DM, EA, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, ID, IL, IN, IS, KE, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MG, MN, MW, MX, NI, NO, NZ, OA, OM, PG, PH, PL, PT, RO, SC, SD, SE, SG, SK, SL, SY, TJ, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW

The communication will be made to those Offices only upon their request. Furthermore, those Offices do not require the applicant to furnish a copy of the international application (Rule 49.1(a-bis)).

3. Enclosed with this notice is a copy of the international application as published by the International Bureau on 06 May 2004 (06.05.2004) under No. WO 2004/037781

4. **TIME LIMITS for filing a demand for international preliminary examination and for entry into the national phase**

The applicable time limit for entering the national phase will, **subject to what is said in the following paragraph**, be **30 MONTHS** from the priority date, not only in respect of any elected Office if a demand for international preliminary examination is filed before the expiration of **19 months** from the priority date, but also in respect of any designated Office, in the absence of filing of such demand, where Article 22(1) as modified with effect from 1 April 2002 applies in respect of that designated Office. For further details, see *PCT Gazette* No. 44/2001 of 1 November 2001, pages 19926, 19932 and 19934, as well as the *PCT Newsletter*, October and November 2001 and February 2002 issues.

In practice, **time limits other than the 30-month time limit** will continue to apply, for various periods of time, in respect of certain designated or elected Offices. For regular updates on the **applicable time limits** (20, 21, 30 or 31 months, or other time limit), Office by Office, refer to the *PCT Gazette*, the *PCT Newsletter* and the *PCT Applicant's Guide*, Volume II, National Chapters, all available from WIPO's Internet site, at <http://www.wipo.int/pct/en/index.html>.

For filing a **demand for international preliminary examination**, see the *PCT Applicant's Guide*, Volume I/A, Chapter IX. Only an applicant who is a national or resident of a PCT Contracting State which is bound by Chapter II has the right to file a demand for international preliminary examination (at present, all PCT Contracting States are bound by Chapter II).

It is the applicant's **sole responsibility** to monitor all these time limits.

The International Bureau of WIPO  
34, chemin des Colombettes  
1211 Geneva 20, Switzerland

Authorized officer

Simin Baharlou